

10.0 ABBREVIATION/ACRONYM LIST

1	AAALAC	Association for Assessment and Accreditation of
2		Laboratory Animal Care
3	AAB	Ammunition Accountability Branch
4	ABSL	animal biosafety level
5	AFI	Air Force Instruction
6	AFOSH	Air Force Occupational and Environmental Safety, Fire
7		Prevention, and Health
8	AFOSHSTD	Air Force Occupational Safety and Health Standard
9	AMC	Army Materiel Command
10	AMSL	above mean sea level
11	APG	Aberdeen Proving Ground
12	APGR	APG Regulation
13	AQCR	Air Quality Control Region
14	AR	Army Regulation
15	ARC	Animal Resources Center
16	ARMA	Air and Radiation Management Administration
17	AVC	agent vapor challenge
18	AVCC	agent vapor challenge concentration
19	BAIRA	Biological Accident or Incident Response and Assistance
20	BD	biological defense
21	BDRDAP	Biological Defense Research, Development, and Acquisition Program
22	BDRP	Biological Defense Research Program
23	BGE	Baltimore Gas and Electric
24	BLM	Bureau of Land Management
25	BMI	Battelle Memorial Institute
26	BMTF	Bushnell Materiel Test Facility
27	BOD	biological oxygen demand
28	BSC	biological safety cabinet
29	BSL	biosafety level
30	Btu	British thermal unit
31	BWC	Biological Weapons Convention
32	BWI	Baltimore-Washington International Airport
33	BWR	biological warfare research
34	°C	degrees Celsius
35	CAA	Clean Air Act
36	CAIRA	Chemical Accident or Incident Response and Assistance
37	CAW	chemical agent-related waste
38	CB	chemical and biological
39	CBDP	Chemical and Biological Defense Program
40	CBL	Chemical and Biological Defensive Warfare Laboratory
41	CBR	chemical, biological, and radiological
42	CBW	chemical and biological warfare
43	CCTF	Combined Chemical Test Facility
44	CD	chemical defense
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1	CDC	Centers for Disease Control and Prevention
2	CDP	Census Designated Place
3	CEQ	Council on Environmental Quality
4	CFC	chlorofluorocarbons
5	CFR	<i>Code of Federal Regulations</i>
6	CHO	Chemical Hygiene Office
7	CHP	chemical hygiene plan
8	CHS	controlled hazardous substance
9	CHWSF	Central Hazardous Waste Storage Facility
10	CO	carbon monoxide
11	CO ₂	carbon dioxide
12	COD	chemical oxygen demand
13	COMAR	Code of Maryland Regulations
14	CRMP	Cultural Resource Management Plan
15	CSM	chemical surety materiel
16	CSSS	central sanitary sewer system
17	CTF	Chemical Transfer Facility
18	CWA	Clean Water Act
19	CWC	Chemical Weapons Convention
20	DA	Department of the Army
21	DARPA	Defense Advanced Research Projects Agency
22	DATSD(CBD)	Deputy Assistant to the Secretary of Defense for Chemical and Biological Defense
23		
24	DATSD(CP/CBD)	Deputy Assistant to the Secretary of Defense for Counterproliferation and Chemical/Biological Defense
25		
26	dBA	A-weighted decibel
27	DCA	Reagan National Airport
28	DCR-NH	Department of Conservation and Recreation, Division of Natural Heritage
29		
30	DDT	dichloro-diphenyl-trichloroethane
31	DEQ	Department of Environmental Quality
32	DIS	Directorate of Installation Services
33	DoD	Department of Defense
34	DoDD	Department of Defense Directive
35	DoDI	Department of Defense Instruction
36	DOT	Department of Transportation
37	DPG	Dugway Proving Ground
38	DPGR	Dugway Proving Ground Regulation
39	DPW	Department of Public Works
40	DSHE	Directorate of Safety, Health, and Environment
41	DTC	Developmental Test Command
42	EA	environmental assessment
43	ECBC	Edgewood Chemical Biological Center
44	ECD	Environmental Compliance Division
45	ECI	Environmental Compliance Inspection
46	ECO	Environmental Compliance Officer

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1	ECR	entry control roster
2	ECRD	Environmental Conservation and Restoration Division
3	EEB	Environmental Engineering Branch
4	EIS	environmental impact statement
5	EPA	Environmental Protection Agency
6	EQO	Environmental Quality Office
7	ERDEC	Edgewood Research, Development, and Engineering Center
8	ERP	Employee Reliability Program
9	ESHO	Environmental Safety and Health Officer
10	ESOH	Environment, Safety, and Occupational Health
11	°F	degrees Fahrenheit
12	FCRDC	Frederick Cancer Research and Development Center
13	FDA	Food and Drug Administration
14	FDFD	Fort Detrick Fire Department
15	FOAM	Facilities Operations and Management
16	FOET	Foundation on Economic Trends
17	FPEIS	final programmatic environmental impact statement
18	FSP	Facility Safety Plan
19	FSSP	Facility Safety and Security Plan
20	GEM	genetically engineered microorganism
21	HAGLO	hourly average ground-level ozone
22	HAP	hazardous air pollutant
23	HAZMAT	hazardous material
24	HEPA	high-efficiency particulate air
25	HID	human infective dose
26	HOU	William P. Hobby Airport
27	HPAC	Hazard Prediction and Assessment Capability
28	HQDA	Headquarters, Department of the Army
29	HRLD	human respiratory lethal dose
30	HSS	Health and Safety Services
31	HWM	Hazardous Waste Management
32	IACUC	Institutional Animal Care and Use Committee
33	IAD	Dulles International Airport
34	ID	infective dose
35	IND	Investigational New Drug
36	INRMP	Integrated Natural Resource Management Plan
37	IOP	Internal Operating Procedure
38	IPT	Integrated Product Team
39	IRP	Installation Restoration Program
40	JPO BD	Joint Program Office for Biological Defense
41	JVAP	Joint Vaccine Acquisition Program
42	KUSAHC	Kirk U.S. Army Health Clinic
43	kWh	kilowatt-hour
44	LACUC	Laboratory Animal Care and Use Committee
45	LAI	laboratory-acquired illness
46	LARF	Large-Animal Research Facility

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1	LD	lethal dose
2	LSTF	Life Sciences Test Facility
3	m ²	square meters
4	m ³	cubic meters
5	m ³ /min	cubic meters per minute
6	M&S	modeling and simulation
7	MAAF	Michael Army Airfield
8	MACOM	Major Army Command
9	MARC	Maryland Rail Commuter
10	MARCORSYSCOM	Marine Corps Systems Command
11	MCE	maximum credible event
12	MCL	maximum contaminant level
13	MDE	Maryland Department of the Environment
14	MEDCOM	Medical Command
15	mg/m ³	milligrams per cubic meter
16	mg/min-m ²	milligrams per minute per square meter
17	MIPLD	mouse intraperitoneal median lethal dose
18	mL	milliliters
19	MLTS	One-Million-Liter Test Sphere
20	MREF	Medical Research and Evaluation Facility
21	MRVS	medical research volunteer subject
22	MSDS	material safety data sheet
23	MUO	Maintenance and Utilities Office
24	MVCA	most volatile chemical agent
25	mWh	megawatt-hour
26	NAAQS	National Ambient Air Quality Standards
27	NBC	nuclear, biological, and chemical
28	NEPA	National Environmental Policy Act
29	NHP	nonhuman primate
30	NIH	National Institutes of Health
31	NO _x	nitrogen oxides
32	NOU	Notification of Use
33	NPDES	National Pollutant Discharge Elimination System
34	NPL	National Priority List
35	NRC	Nuclear Regulatory Commission
36	NRHP	National Register of Historic Places
37	NSWCDL	Naval Surface Warfare Center Dahlgren Laboratory
38	NWR	National Wildlife Refuge
39	O ₃	ozone
40	O&M	operations and maintenance
41	OAC	Ohio Administrative Code
42	OMD	Operations and Maintenance Division
43	OMWM	Operations, Maintenance, and Waste Management
44	OPNAVINST	Chief of Naval Operations Instruction
45	ORC	Ohio Revised Code
46	OSC	Operations Support Command

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1	OSHA	Occupational Safety and Health Administration
2	OSHP	Occupational Safety and Health Program
3	PAA	Phillips Army Airfield
4	PAH	polynuclear aromatic hydrocarbon
5	PAM	DA Pamphlet
6	PCB	polychlorinated biphenyl
7	PEF	Process Engineering Facility
8	PEIS	programmatic environmental impact statement
9	PEO CBD	Program Executive Office for Chemical and Biological Defense
10	PESHE	Programmatic Environmental, Safety, and Occupational Health
11		Evaluation
12	PFA	paraformaldehyde
13	PFU	plaque-forming unit
14	PHL	Philadelphia International Airport
15	PI	principal investigator
16	PM	particulate matter
17	POTW	publicly owned treatment works
18	ppb	parts per billion
19	PPE	personal protection equipment
20	ppm	parts per million
21	PRP	Personnel Reliability Program
22	PTO	Permit to Operate
23	RAA	restricted-access area
24	RAB	Restoration Advisory Board
25	RBTC	risk-based threshold concentration
26	RCRA	Resource Conservation and Recovery Act
27	RDA	research, development, and acquisition
28	rDNA	recombinant DNA
29	RDT&E	Research, Development, Test, and Evaluation
30	RI	remedial investigation
31	RIC	Richmond International Airport
32	RMP	risk management plan
33	RPO	Radiation Protection Officer
34	RRO	Risk Reduction Office
35	RSC	Radiation Safety Committee
36	RSO	Radiation Safety Officer
37	SAP	satellite accumulation point
38	SAS	satellite accumulation site
39	SBCCOM	Soldier and Biological Chemical Command
40	SCOB	Safety and Chemical Operations Branch
41	SECNAVINST	Secretary of the Navy Instruction
42	SEL	source emission limit
43	SIA	Special Interest Area
44	SIP	Special Immunization Program
45	SMW	special medical waste
46	SO ₂	sulfur dioxide

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1	SOP	standard operating procedure
2	SR	State Route
3	SRPO	Safety and Radiation Protection Office
4	SSL	Special Screening Level
5	SSP	Steam Sterilization Plant
6	SWPPP	Storm Water Pollution Prevention Plan
7	TAC	Texas Administrative Code
8	TAP	toxic air pollutant
9	TCE	trichloroethylene
10	TCLP	Toxicity Characteristic Leaching Procedure
11	TEP	triethylphosphate
12	TGLO	Texas General Land Office
13	TNRCC	Texas Natural Resources Conservation Commission
14	TPW	State of Texas Parks and Wildlife
15	TSDF	treatment, storage, and disposal facility
16	TSS	total suspended solids
17	UDEQ	Utah Department of Environmental Quality
18	UDWQ	Utah Division of Water Quality
19	USACEHR	U.S. Army Center for Environmental Health Research
20	USACOE	U.S. Army Corps of Engineers
21	USAG	U.S. Army Garrison
22	USAMRDC	U.S. Army Medical Research and Development Command
23	USAMRICD	U.S. Army Medical Research Institute of Chemical Defense
24	USAMRIID	U.S. Army Medical Research Institute of Infectious Diseases
25	USAMRMC	U.S. Army Medical Research and Materiel Command
26	USC	<i>United States Code</i>
27	USDA	U.S. Department of Agriculture
28	USFWS	U.S. Fish and Wildlife Service
29	USR	U.S. Route
30	UTMB	University of Texas Medical Branch
31	UXO	unexploded ordnance
32	VEE	Venezuelan equine encephalitis
33	VMLRD	Veterinary Medicine and Laboratory Resources Division
34	VMD	Veterinary Medicine Division
35	VOC	volatile organic compound
36	VPDES	Virginia Pollutant Discharge Elimination System
37	WAH	Weide Army Helipad
38	WDTC	West Desert Test Center
39	WEP	Waste-to-Energy Plant
40	WTP	water treatment plant
41	WWTP	wastewater treatment plant
42	WWI	World War I
43	WWII	World War II
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1 10.1 Metric Conversion Chart

<i>To Convert Into Metric</i>			<i>To Convert From Metric</i>		
If You Know	Multiply By	To Get	If You Know	Multiply By	To Get
Length					
inches	2.54	centimeters	centimeters	0.3937	inches
feet	30.48	centimeters	centimeters	0.0328	feet
feet	0.3048	meters	meters	3.281	feet
yards	0.9144	meters	meters	1.0936	yards
miles	1.60934	kilometers	kilometers	0.6214	miles
Area					
square inches	6.4516	square centimeters	square centimeters	0.155	square inches
square feet	0.092903	square meters	square meters	10.7639	square feet
square yards	0.8361	square meters	square meters	1.196	square yards
acres	0.40469	hectares	hectares	2.471	acres
square miles	2.58999	square kilometers	square kilometers	0.3861	square miles
Volume					
fluid ounces	29.574	milliliters	milliliters	0.0338	fluid ounces
gallons	3.7854	liters	liters	0.26417	gallons
cubic feet	0.028317	cubic meters	cubic meters	35.315	cubic feet
cubic yards	0.76455	cubic meters	cubic meters	1.308	cubic yards
Weight					
ounces	28.3495	grams	grams	0.03527	ounces
pounds	0.4536	kilograms	kilograms	2.2046	pounds
short tons	0.90718	metric tons	metric tons	1.1023	short tons
Temperature					
Fahrenheit	Subtract 32, then multiply by 0.55556	Celsius	Celsius	Multiply by 1.8, then add 32	Fahrenheit

Metric Prefixes

<i>Prefix</i>	<i>Symbol</i>	<i>Multiplication Factor</i>
exa-	E	1 000 000 000 000 000 000 = 10 ¹⁸
peta-	P	1 000 000 000 000 000 = 10 ¹⁵
tera-	T	1 000 000 000 000 = 10 ¹²
giga-	G	1 000 000 000 = 10 ⁹
mega-	M	1 000 000 = 10 ⁶
kilo-	k	1 000 = 10 ³
hecto-	h	100 = 10 ²
deka-	da	10 = 10 ¹
deci-	d	0.1 = 10 ⁻¹
centi-	c	0.01 = 10 ⁻²
milli-	m	0.001 = 10 ⁻³
micro-	μ	0.000 001 = 10 ⁻⁶
nano-	n	0.000 000 001 = 10 ⁻⁹
pico-	p	0.000 000 000 001 = 10 ⁻¹²
femto-	f	0.000 000 000 000 001 = 10 ⁻¹⁵
atto-	a	0.000 000 000 000 000 001 = 10 ⁻¹⁸